

Mon Apr 16 13:20:04 2001

us-08-815-773-2.ra1

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: April 16, 2001, 09:33:18 ; Search time 37.01 Seconds
(Without alignments)
197,247 Million cell updates/sec

Title: US-08-815-773-2
2104
Sequence: 1 MAFVCAICGLYFLISTWTF.....LLLRKPTPKRIFPEFCDT 380

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCTUS.COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2104	100.0	380	1	US-08-609-572-4
2	1194.5	56.8	383	1	US-08-609-572-2
3	311.5	14.8	420	1	US-07-757-390-13
4	311.5	14.8	420	1	US-08-442-282-13
5	311.5	14.8	420	1	US-08-442-281-13
6	311.5	14.8	420	2	US-08-939-727-13
7	310.5	14.8	396	1	US-07-757-390-14
8	310.5	14.8	396	1	US-08-442-282-14
9	310.5	14.8	396	1	US-08-442-281-14
10	310.5	14.8	396	2	US-08-939-727-14
11	295.5	14.0	427	2	US-08-969-125-9
12	293	13.9	313	3	US-08-836-561-106
13	292	13.9	335	1	US-07-947-130-2
14	292	13.9	335	1	US-08-421-823-2
15	292	13.9	335	1	US-08-421-823-2
16	247	11.7	398	1	US-07-757-390-6
17	247	11.7	398	1	US-08-442-282-6
18	247	11.7	398	1	US-08-442-281-6
19	247	11.7	398	2	US-08-939-727-6
20	247	11.7	415	1	US-07-757-390-5
21	247	11.7	415	1	US-08-442-282-5
22	247	11.7	415	1	US-08-442-281-5
23	247	11.7	415	2	US-08-939-727-5
24	229	10.9	315	1	US-07-757-390-8
25	229	10.9	315	1	US-08-442-282-8
26	229	10.9	315	1	US-08-442-281-8
27	229	10.9	315	2	US-08-939-727-8

28	229	10.9	332	1	US-07-757-390-7
29	229	10.9	332	1	US-08-442-282-7
30	229	10.9	332	1	US-08-442-281-7
31	229	10.9	332	2	US-08-939-727-7
32	229	10.9	335	1	US-07-947-130-3
33	229	10.9	335	1	US-08-421-822-3
34	229	10.9	335	1	US-08-421-822-3
35	220	10.5	369	1	US-08-052-205-4
36	220	10.5	369	1	US-08-595-974-4
37	219	10.4	347	1	US-08-052-205-7
38	219	10.4	347	1	US-08-595-974-7
39	212.5	10.1	369	2	US-08-424-224-2
40	212.5	10.1	369	5	PCT-US94-02891-69
41	207	9.8	252	1	US-08-052-205-9
42	207	9.8	252	1	US-08-595-974-9
43	206	9.8	230	1	US-08-052-205-11
44	206	9.8	230	1	US-08-595-974-11
45	180.5	8.6	897	1	US-07-960-389-2

ALIGNMENTS

RESULT 1
US-08-609-572-4
Sequence 4, Application US/08609572
Patent No. 5710023
GENERAL INFORMATION:
APPLICANT: Collins, Mary
APPLICANT: Donaldson, Dendra
APPLICANT: Fitz, Lori
APPLICANT: Neben, Tamlyn
APPLICANT: Whitters, Matthew
APPLICANT: Wood, Clive
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,572
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 380 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-609-572-4

Query Match 100.0% Score 2104; DB 1; Length 380;
Best Local Similarity 100.0%; Pred No. 3.8e+208;
Matches 380; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Best Available Copy

Db 1 MAVVLAIGCLYTLFTLSTTFCGCTSSSDTEIKVNPDPDEFIVDPGYGLYLQWQPLSLD 60
QY 61 HRECEVEYELKRNIGSETWTKITITKLNHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120
Db 61 HRECEVEYELKRNIGSETWTKITITKLNHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120
QY 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSMKPGIGVLLDTNLTNLYFWEGDLH 180
Db 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSMKPGIGVLLDTNLTNLYFWEGDLH 180
QY 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSNKPIRSSYFTFQLONIYKPLP 240
Db 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSNKPIRSSYFTFQLONIYKPLP 240
QY 241 PVLFTFTRESSCEIKLWKSIPLGPIPARCFDEYIEIRREDDTLVATVENEYTLKTNE 300
Db 241 PVLFTFTRESSCEIKLWKSIPLGPIPARCFDEYIEIRREDDTLVATVENEYTLKTNE 300
QY 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGDELKSKTLLRFLPFGFILLIIVFTG 360
Db 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGDELKSKTLLRFLPFGFILLIIVFTG 360
QY 361 LLRRPNTYPRMIRPEFCDT 380
Db 361 LLRRPNTYPRMIRPEFCDT 380

RESULT 2

US-08-609-572-2
Sequence 2, Application US/08609572
Patent No. 5710023

GENERAL INFORMATION:

APPLICANT: Collins, Mary
APPLICANT: Donaldson, Debra
APPLICANT: Fitz, Lori
APPLICANT: Neiden, Tamlyn
APPLICANT: Whitfers, Matthew
APPLICANT: Wood, Clive
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/609,572
FILING DATE:

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876/5851
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 383 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-609-572-2

Query Match 56.8% Score 1194.5: DB 1; Length 383;
Best Local Similarity 58.9%: Pred. No. 1,3e-114;
Matches 219; Conservative 55; Mismatches 91; Indels 7; Gaps 3;

QY 1 MAVVLAIGCLYTLFTLSTTFCGCTSSSDTEIKVNPDPDEFIVDPGYGLYLQWQPLSLD 60
Db 1 MAVV--HINCLCFILLCITGYS-----LEIKVNPDPDEFILDPGLGLGZLQWQPPVYLE 54
QY 61 HRECEVEYELKRNIGSETWTKITITKLNHYKGFPLNGIEAKHTLLPMOCTNGSEVO 120
Db 55 KFCGCTLEYELKRNIGSETWTKITITKLNHYKGFPLNGIEAKHTLLPMOCTNGSEVO 114
QY 121 SSMAETTWISPOGIPETKRVQDMDCVYNNMOYLCSMKPGIGVLLDTNLTNLYFWEGDLH 180
Db 115 SPWIASISGIDSEGLERKIDQMKCIYNNMOYLCSMKPGIKVSDTYNTEFWEGDLH 174
QY 181 ALOCVDYIKADQONIGCFRPPYLEASDYKDFYICVNGSSSNKPIRSSYFTFQLONIYKPLP 240
Db 175 ALOCVDYIQHDEKKNVGCALNLDSSDYKDFYICVNGSSSKLEPIRSSYFTFQLONIYKPLP 234
QY 241 PVLFTFTRESSCEIKLWKSIPLGPIPARCFDEYIEIRREDDTLVATVENEYTLKTNE 300
Db 235 PEFLLISVENSIDIRMKWSTPGPIPRGTYTEYIREDSDISMSATQKNOMKLRANE 294
QY 301 TROLCFVVRKVNITYCSDGIMSEMSKQCEGDELKSKTLLRFLPFGFILLIIVFTG 360
Db 295 SEDLCFVVRKVNITYCSDGIMSEMSKQCEGDELKSKTLLRFLPFGFILLIIVFTG 353
QY 361 LLRRPNTYPRM 372
Db 354 LIVEKEPEPTL 365

RESULT 3

US-07-757-390-13
Sequence 13, Application US/07757390
Patent No. 5451491

GENERAL INFORMATION:

APPLICANT: Takatsy, Kiyoshi
APPLICANT: Tomlinaga, Akira
APPLICANT: Takagi, Satoshi
APPLICANT: Murata, Yoshiyuki
TITLE OF INVENTION: Human And Murine Interleukin-5 Receptor
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1455 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/757,390
FILING DATE: 19910910

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7005-030
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212 790-9090
TELEFAX: 212 8698864/9741
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 420 amino acids
TYPE: AMINO ACID
STRANDEDNESS: unknown

QY 301 TROLCEVVRKYNICSDGCIWSESDKOCWEGEDLSKRTLLRFMLPGFILLIIVPTG 360
DB 301 TROLCEVVRKYNICSDGCIWSESDKOCWEGEDLSKRTLLRFMLPGFILLIIVPTG 360
QY 361 LLLRKPNTYPKMIPPEFCDT 380
DB 361 LLLRKPNTYPKMIPPEFCDT 380

RESULT 7

US-08-841-751-4
Sequence 4, Application US/08841751

→ US 6214 559
April 10, 2001

GENERAL INFORMATION:
APPLICANT: COLLINS, Mary
APPLICANT: Donaldson, Debra
APPLICANT: Filz, Lori
APPLICANT: Neben, Tamlyn
APPLICANT: Whilters, Matthew
APPLICANT: Wood, Clive
TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/841,751
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/609,572
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.

REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: GI5268

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 876-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS: —

LENGTH: 380 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-841-751-4

Query Match 100.0% Score 2104; DB 12; Length 380;
Best Local Similarity 100.0% Pred. No. 1.5e-198;
Matches 380; Conservatio 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAFVCLAIGCTVETLSTFTGCTSSDTEIKVNPPODFEIVDPGYLYLQNPPLSLD 60
DB 1 MAFVCLAIGCTVETLSTFTGCTSSDTEIKVNPPODFEIVDPGYLYLQNPPLSLD 60
QY 61 HFKECTVEYELKYNIGSETWKTITKRLHYKDGFDLNGKIEAKHTLLPQCTNSSEVQ 120
DB 61 HFKECTVEYELKYNIGSETWKTITKRLHYKDGFDLNGKIEAKHTLLPQCTNSSEVQ 120
QY 121 SSMAETTYWISPOGIPETKVDMDCVYNNQYLLGSKPGIGVLLDTNLYLFYMYBGLDH 180
DB 121 SSMAETTYWISPOGIPETKVDMDCVYNNQYLLGSKPGIGVLLDTNLYLFYMYBGLDH 180

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US-08-815-

BT ALQCVDIKADGONICRPFYLEASDYKDFYICVNGSSSENKPIRSSYFTFQLONTVKKPLP 240
181 ALQCVDIKADGONICRPFYLEASDYKDFYICVNGSSSENKPIRSSYFTFQLONTVKKPLP 240
QY 241 PVLFTRESSCEIKLKSIPLGPIPARCFDYEIEIRDDPTLVATVENEYTLKTNE 300
DB 241 PVLFTRESSCEIKLKSIPLGPIPARCFDYEIEIRDDPTLVATVENEYTLKTNE 300
QY 301 TROLCFYVRSKVNITCSDDGIMSEMSDKOCWEGEDLSKKTLLRFMLPFGFILLIVIFVTG 360
DB 301 TROLCFYVRSKVNITCSDDGIMSEMSDKOCWEGEDLSKKTLLRFMLPFGFILLIVIFVTG 360
QY 361 LLLRKPNTYPMIPEFCDF 380
DB 361 LLLRKPNTYPMIPEFCDF 380